

What is claimed is:

1. A mouldable silicone gel composition comprising:
  - A. 100 parts by weight of an organopolysiloxane having at least two alkenyl groups in each molecule,
  - B. an organopolysiloxane having at least two silicon-bonded hydrogen atoms in each molecule, in an amount such that the molar ratio of silicon bonded hydrogen atoms in component B to alkenyl groups in component A is from 0.5:1 to 10:1,
  - C. greater than 200 parts to 500 parts by weight of an organopolysiloxane which is free of alkenyl groups and free of silicon bonded hydrogen, and
  - D. a platinum group catalyst, in an amount sufficient to effect the cure of the composition.

2. The mouldable silicone gel composition in accordance with claim 1, which additionally comprises a component E, a finely divided silica, in an amount of from 1 to 100 parts by weight per 100 parts by weight of component A.
3. The mouldable silicone gel composition in accordance with claim 1 wherein component A is selected from at least one of the group consisting of:
  - i. dimethylalkenylsiloxyl-endblocked dimethylpolysiloxanes;
  - ii. dimethylalkenylsiloxyl-endblocked dimethylsiloxane-methylalkenylsiloxane copolymers;
  - iii. trimethylsiloxyl-endblocked dimethylsiloxane-methylalkenylsiloxane copolymers;
  - iv. organopolysiloxanes comprising the  $(\text{CH}_3)_3\text{SiO}_{1/2}$ ,  $(\text{CH}_3)_2(\text{alkenyl})\text{SiO}_{1/2}$ , and  $\text{SiO}_{4/2}$  siloxane units;
  - v. organopolysiloxanes as defined in i to iv above wherein a proportion of the methyl groups are replaced by an organic group selected from the group of ethyl, propyl, phenyl, tolyl and/or 3,3,3-trifluoropropyl; wherein the alkenyl group is selected from the group of vinyl, allyl, propenyl, butenyl, pentenyl, and hexenyl.
4. The mouldable silicone gel composition in accordance with claim 1 wherein component B is selected from at least one of the group consisting of:
  - i. dimethylhydrogensiloxyl-endblocked dimethylpolysiloxanes;
  - ii. trimethylsiloxyl-endblocked methylhydrogenpolysiloxanes;
  - iii. trimethylsiloxyl-endblocked dimethylsiloxane-methylhydrogensiloxane copolymers;
  - iv. cyclic methylhydrogenpolysiloxanes;
  - v. organopolysiloxanes comprising the  $(\text{CH}_3)_2\text{HSiO}_{1/2}$  and  $\text{SiO}_{4/2}$  siloxane units; and
  - vi. organopolysiloxanes as defined in i to v above wherein a proportion of the methyl groups are replaced by an organic group selected from the group of ethyl, propyl, phenyl, tolyl and/or 3,3,3-trifluoropropyl.

5. The mouldable silicone gel composition in accordance with claim 1 wherein component C is selected from the group consisting of:
  - a trimethylsiloxy-endblocked dimethylpolysiloxane,
  - a trimethylsiloxy-endblocked dimethylsiloxane-methylphenylsiloxane copolymer,
  - a trimethylsiloxy-endblocked dimethylsiloxane-diphenylsiloxane copolymer,
  - a dimethylphenylsiloxy-endblocked dimethylpolysiloxane and
  - a dimethylphenylsiloxy-endblocked dimethylsiloxane-methylphenylsiloxane copolymer
6. A method of producing a silicone gel composition in accordance with claim 2 comprising the steps :
  - i. intermixing components A and E, and optionally a proportion of component C with heating to form a silicone gel base; and then
  - ii. adding components B and D and all or any remaining part of component C to the silicone gel base made in step i.
7. A moulded silicone gel made from a composition in accordance with claim 1.
8. A moulded silicone gel in accordance with claim 7 having an Asker C hardness of from 1 to 30°.